

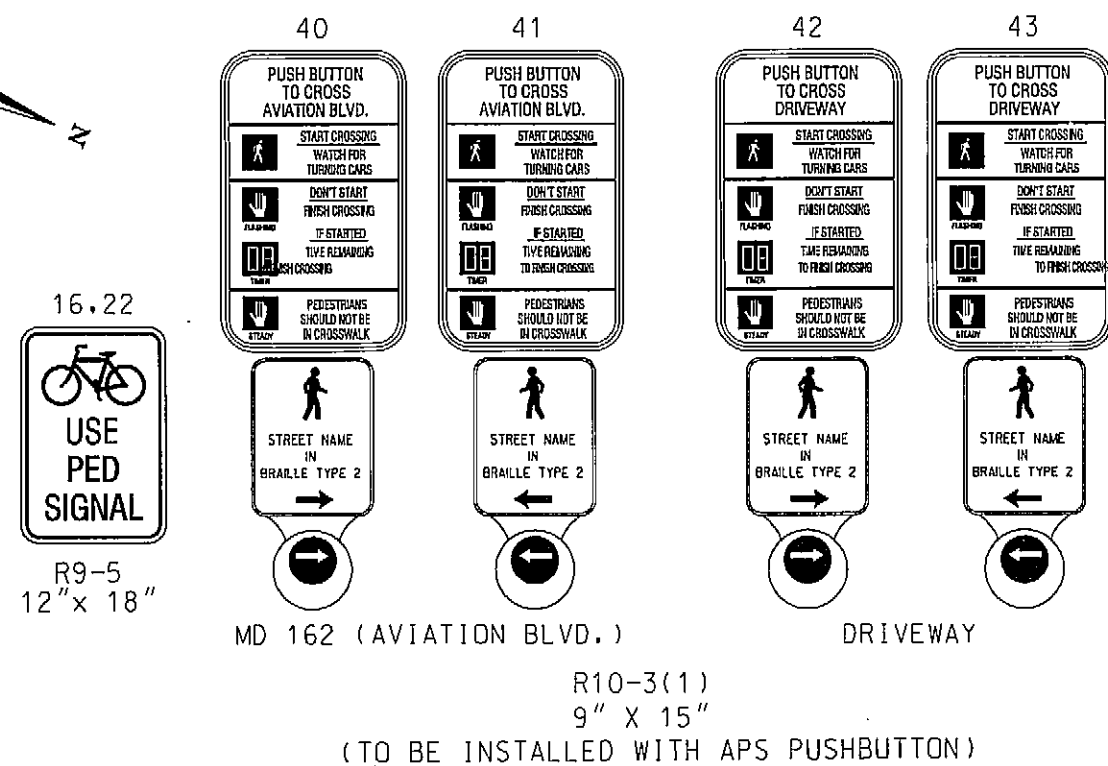
DRILL HOLES

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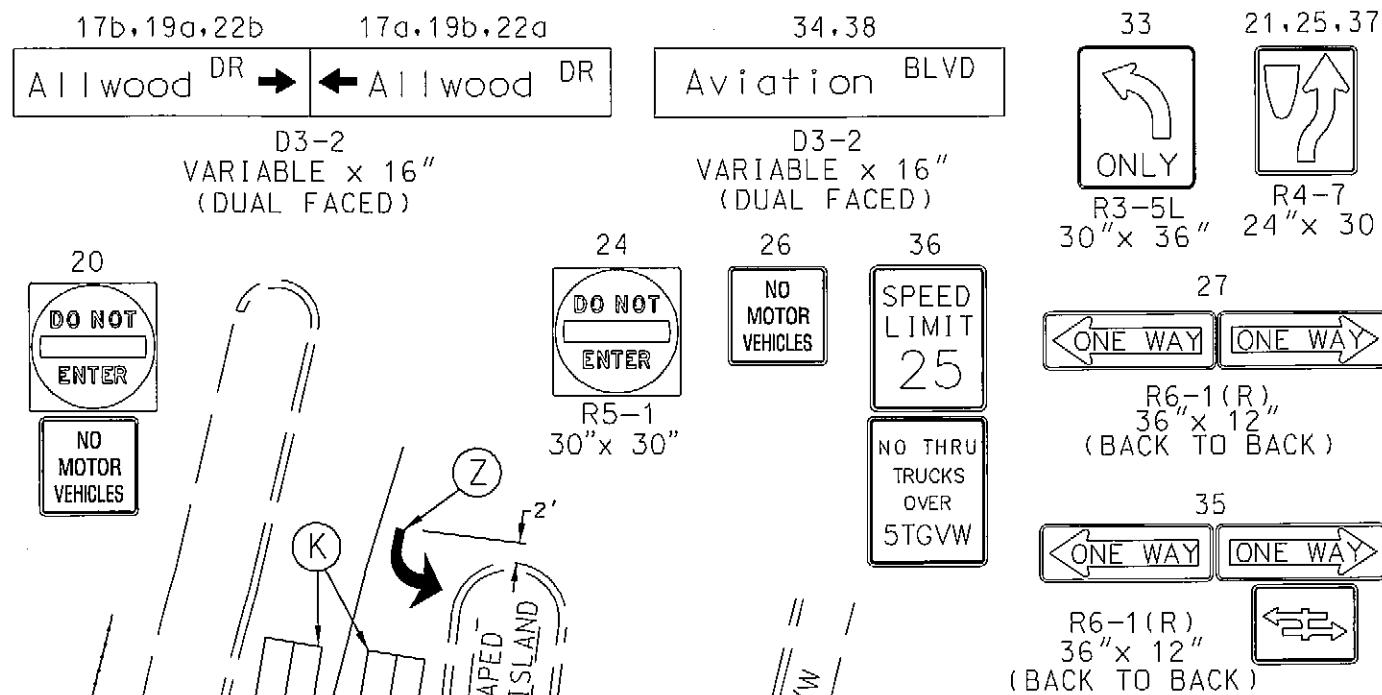
DRILL HOLES

Border, Rev. Date: June 1, 2004

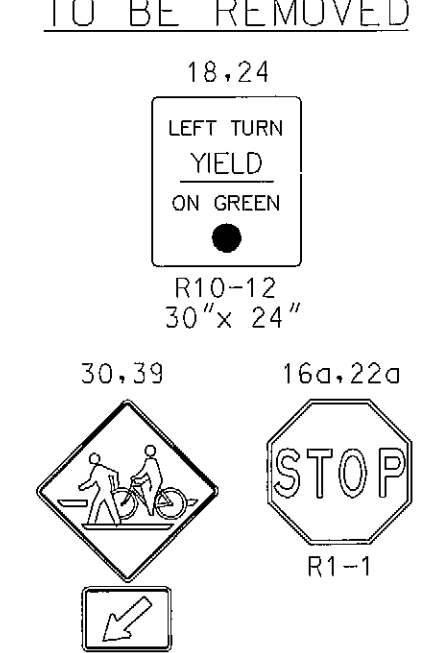
PROPOSED SIGNS



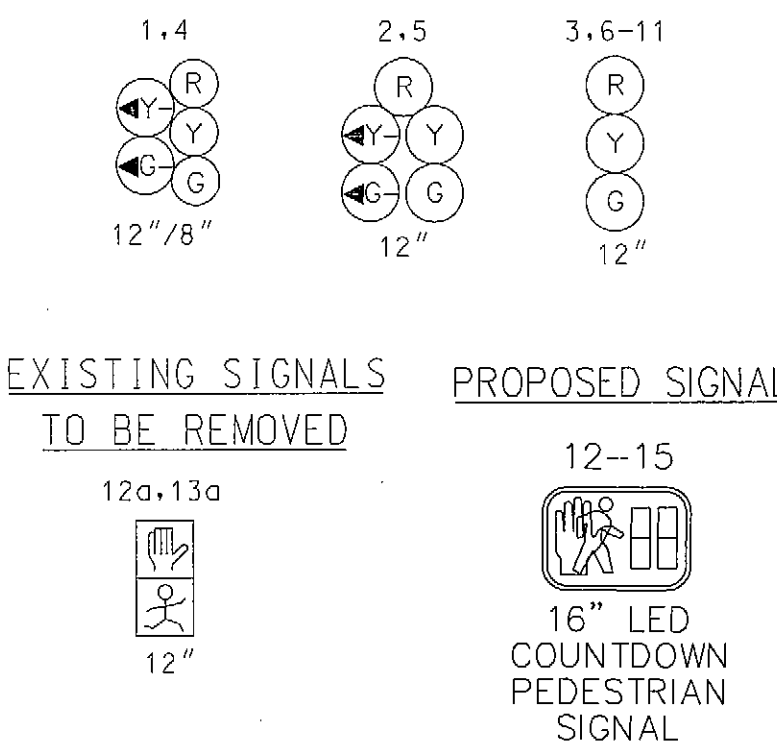
EXISTING SIGNS TO REMAIN



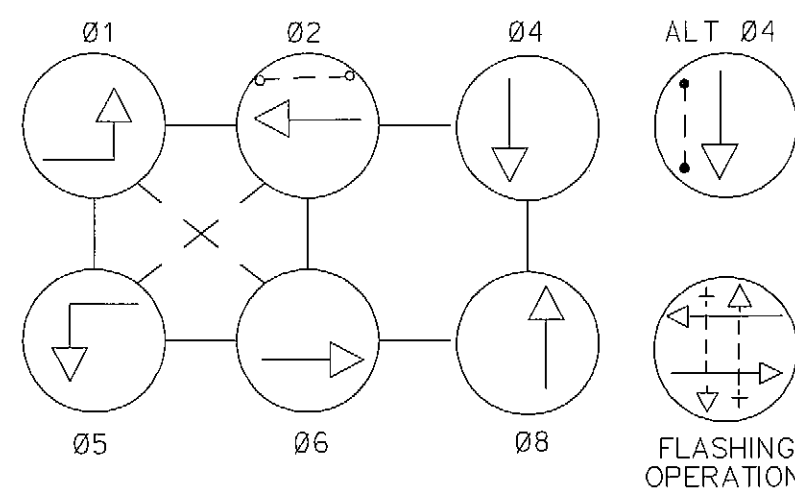
EXISTING SIGNS TO BE REMOVED



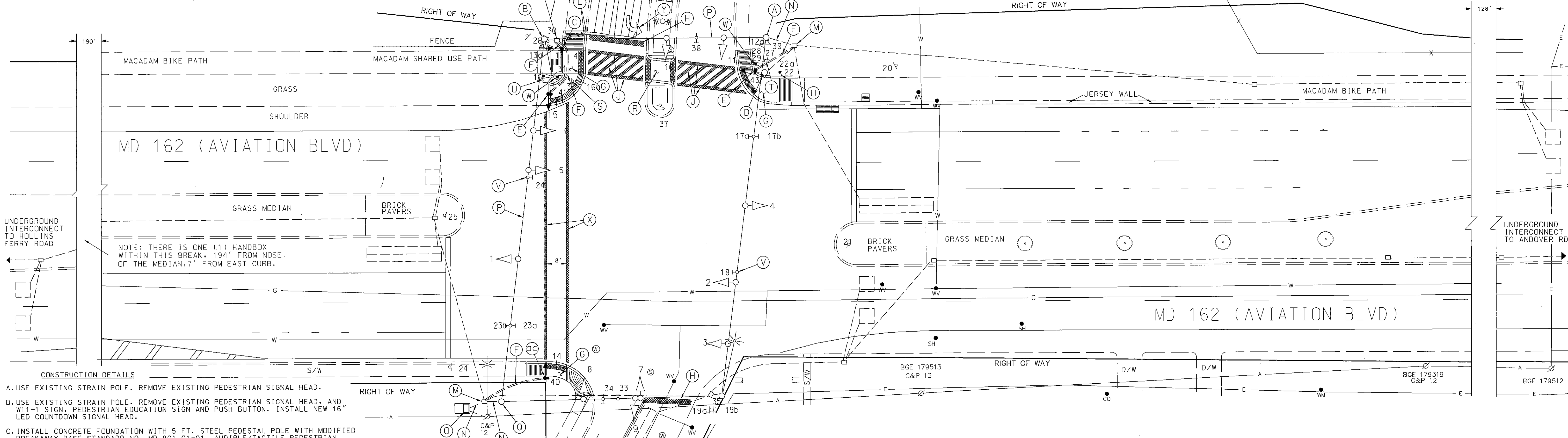
EXISTING SIGNALS TO REMAIN



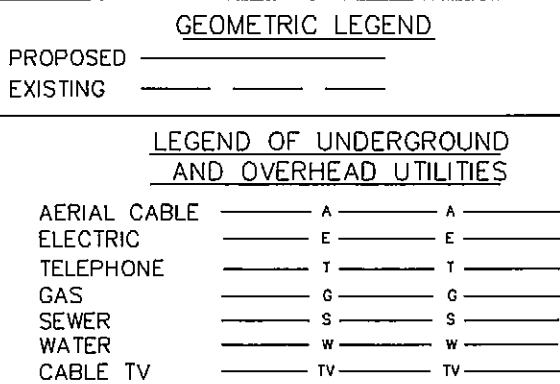
NEMA PHASING



PHASING NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



- CONSTRUCTION DETAILS**
- USE EXISTING STRAIN POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD.
 - USE EXISTING STRAIN POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, AND W11-1 SIGN, PEDESTRIAN EDUCATION SIGN AND PUSH BUTTON. INSTALL NEW 16" LED COUNTDOWN SIGNAL HEAD.
 - INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
 - REMOVE EXISTING PEDESTAL POLE AND FOUNDATION.
 - INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01, 16" LED COUNTDOWN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
 - INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. CONDUIT SHALL TIE INTO PROPOSED CONDUIT BEND IN PEDESTAL BASE.
 - INSTALL SIDEWALK RAMP (STD. NO. MD 655.12) AND DETECTABLE WARNING SURFACE WITH THE PLACEMENT IN ACCORDANCE WITH STANDARD NO. MD 655.40 (SEE SHEET 2).
 - REMOVE EXISTING STOPLINE AND REPLACE WITH 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING IN SAME LOCATION.
 - REMOVE EXISTING CROSSWALK AND REPLACE WITH 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING CROSSWALK WITH CROSS HATCHING IN SAME LOCATION.
 - INSTALL 6'x30' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING QUADRUPOLE TYPE (3-6-3).
 - INSTALL 1" GALVANIZED STEEL CONDUIT (DETECTOR WIRE SLEEVE).
 - USE EXISTING HANDHOLE.
 - USE EXISTING CONDUIT.
 - USE EXISTING SIZE "6" BASE MOUNTED CABINET.
 - USE EXISTING SPAN WIRE.
 - USE EXISTING STRAIN POLE.
 - INSTALL CONCRETE MEDIAN CUT-THROUGH STANDARD NO. MD 655.21 AS SHOWN ON SHEET 2 OF 3.
 - REMOVE EXISTING "STOP" SIGN AND WOOD POST.
 - REMOVE EXISTING "STOP" SIGN FROM WOOD POST.
 - INSTALL 4"x 4" WOOD POST WITH R9-5 SIGN AS SHOWN.
 - REMOVE EXISTING R10-12 FROM SPAN WIRE.
- CONSTRUCTION DETAILS con't**
- INSTALL 4"x 4" WOOD POST WITH BACK TO BACK W11-1(2) SIGNS AND W16-7p SIGNS AS SHOWN.
 - INSTALL 12IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING IN SAME LOCATION.
 - REMOVE EXISTING "ARROW" PAVEMENT MARKING.
 - INSTALL "ARROW, LEFT" HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING AS SHOWN.
 - INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01, 16" LED COUNTDOWN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).



GENERAL NOTES:

- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGED SIDEWALKS CAUSED BY INSTALLATION OF SIGNAL EQUIPMENT.
- THE CONTRACTOR IS TO USE EXTREME CAUTION WHEN EXCAVATING ON THE SOUTHWEST QUADRANT. THE EXISTING 18" CONCRETE PIPE UNDER THE DRIVEWAY IS VERY SHALLOW.

TOD NO: XY139-03
SHA NO: AA189B53
MD 162, MD 170, MD 176 @ Various Locations

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	
OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
MD 162 (AVIATION BOULEVARD) AT ALLWOOD DRIVE HANOVER, MARYLAND	
TRAFFIC SIGNAL PLAN	
SCALE 1"= 20' DATE 11/10/1991 CONTRACT NO. AA463501571	
DESIGNED BY	COUNTY ANNE ARUNDEL
DRAWN BY G. SIMMERS	LOGMILE 02016201.10
CHECKED BY DJD	TMS NO.
F.A.P. NO.	TOD NO.
TS NO. 31920	DRAWING TSP-1 OF 3
SHEET NO. 13 OF 33	

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